

## ABSTRACT

## METHOD FOR POSITIONING BY SATELLITES

5           The invention relates to a security-protected  
system for positioning by satellites, comprising a  
constellation of satellites (11) sending out positioning  
signals under the control of a set of ground stations (14).  
A user receiver of the said positioning signals comprises  
10 means for sending, to a ground station, a request calling  
for a key which is necessary for interpreting them,  
advantageously accompanied by a recopy of the  
positioning signals received. User servicing ground  
stations comprise means for receiving this request,  
15 calculating the position of the user and verifying whether  
the user possesses a privileged status, and means for  
addressing the said key to the user receiver. In the event  
that the verification is positive, this key further comprising  
means for interpreting the positioning signals with the aid  
20 of the key so as to deduce his own position therefrom.

Figure 2